Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	09/06/2021 08:56 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 10:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124679	-1	1.19	124571	1.16
Blue	F	SSC	125000	123966	-1	2.26	124254	2.12
Blue	E	FITC	13131	12729	-4	2.27	293	15.83
Blue	D	PE	24112	23835	-2	1.68	547	10.81
Blue	B	PerCP-Cy5-5	31295	30678	-2	3.02	1020	14.49
Blue	A	PE-Cy7	19939	19604	-2	5.28	521	29.17
Red	C	APC	42122	41319	-2	3.00	1737	11.28
Red	A	APC-Cy7	22340	21574	-4	3.34	806	11.70
Violet	B	V450	7410	6910	-7	3.31	418	12.20
Violet	A	V500	28118	26560	-6	2.85	661	9.59

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23038	1.10	571	2	N/A	N/A	Pass
Blue	F	SSC	57715	1.05	520	8	N/A	N/A	Pass
Blue	E	FITC	54	54.62	487	0	0.0391	85	Pass
Blue	D	PE	115	36.61	490	2	0.3915	279	Pass
Blue	B	PerCP-Cy5-5	188	35.94	586	0	0.0199	67	Pass
Blue	A	PE-Cy7	104	69.05	628	0	0.0222	4	Pass
Red	C	APC	402	23.43	576	0	0.0284	157	Pass
Red	A	APC-Cy7	182	26.87	550	-1	0.0061	742	Pass
Violet	B	V450	59	62.43	455	2	0.0693	2530	Pass
Violet	A	V500	96	33.84	467	2	0.0275	866	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.65	-31.37	1.04
Blue	20.35	16.28 - 24.42	1.29	1.02 - 1.52	0.00	0.00	1.43
Red	15.47	13.60 - 20.40	N/A	N/A	29.80	30.05	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9804

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments